

FIG. 1

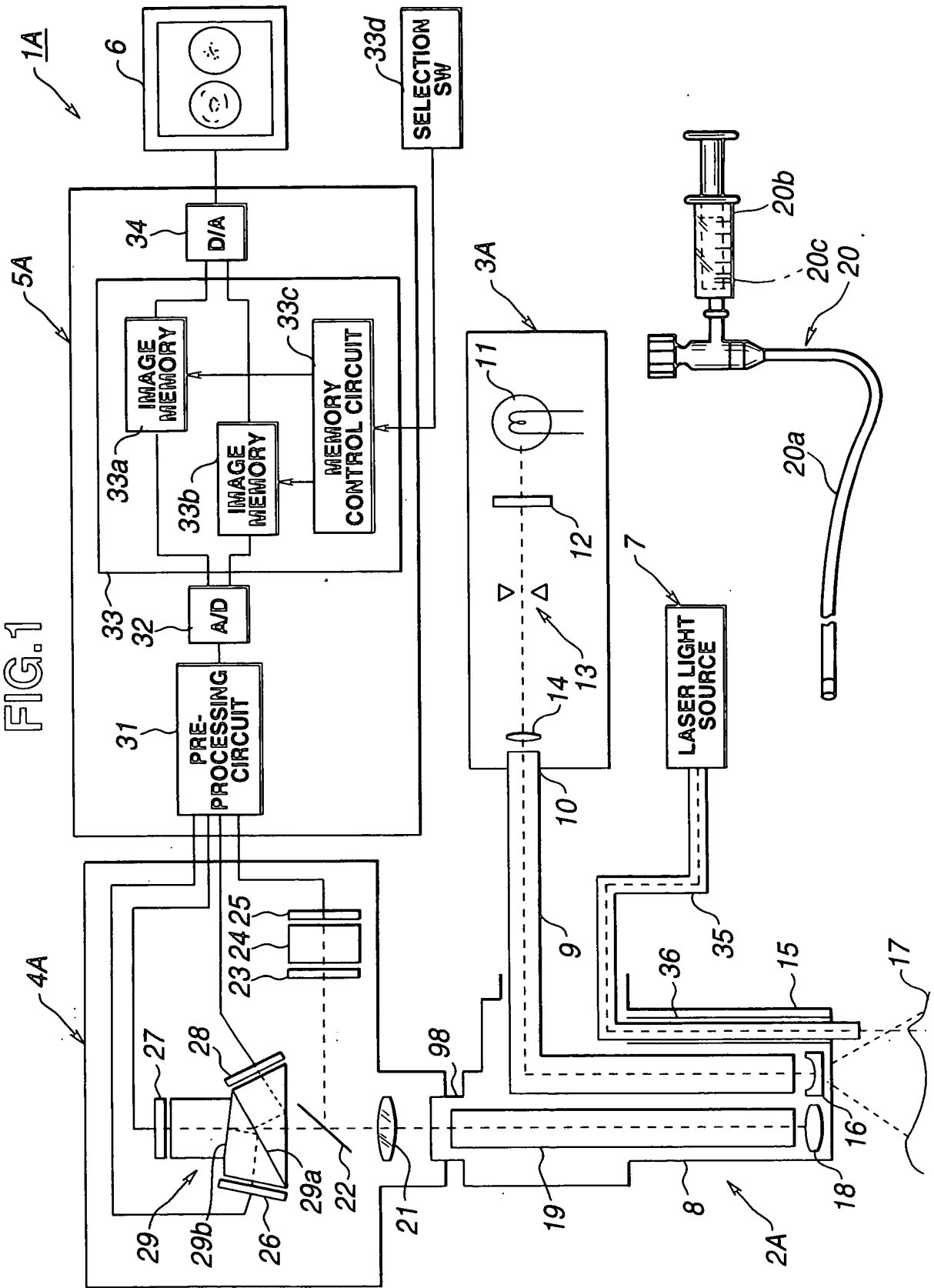


FIG.2

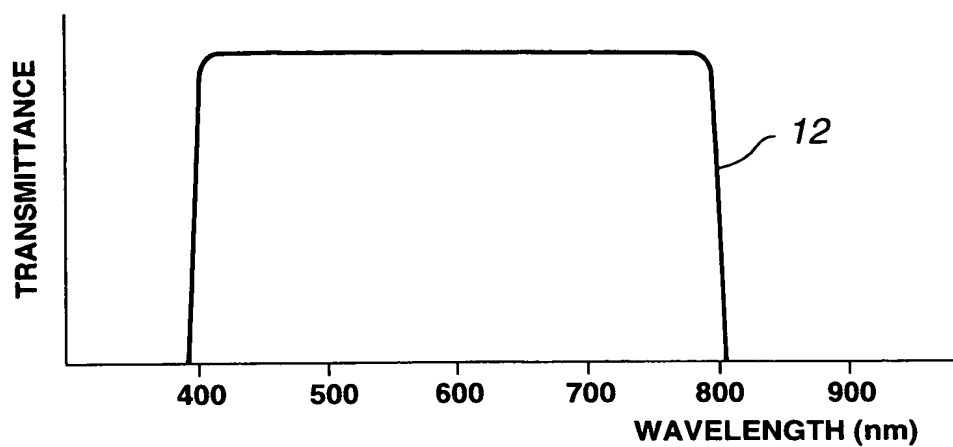


FIG.3

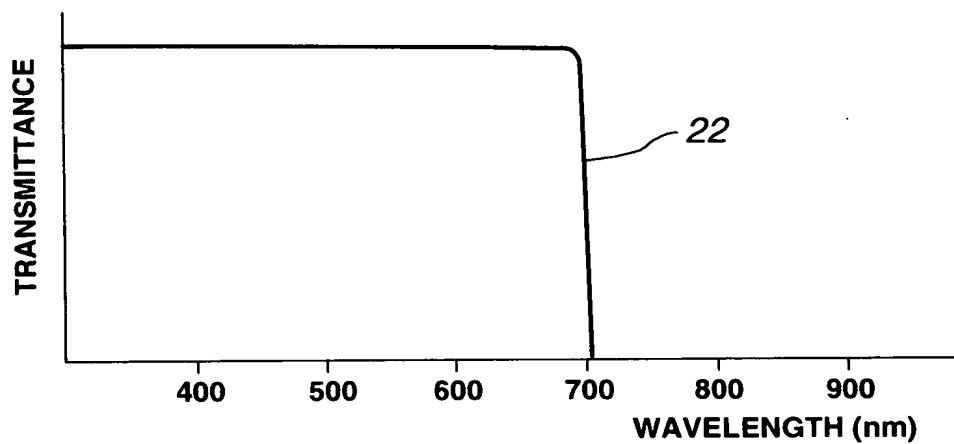


FIG.4

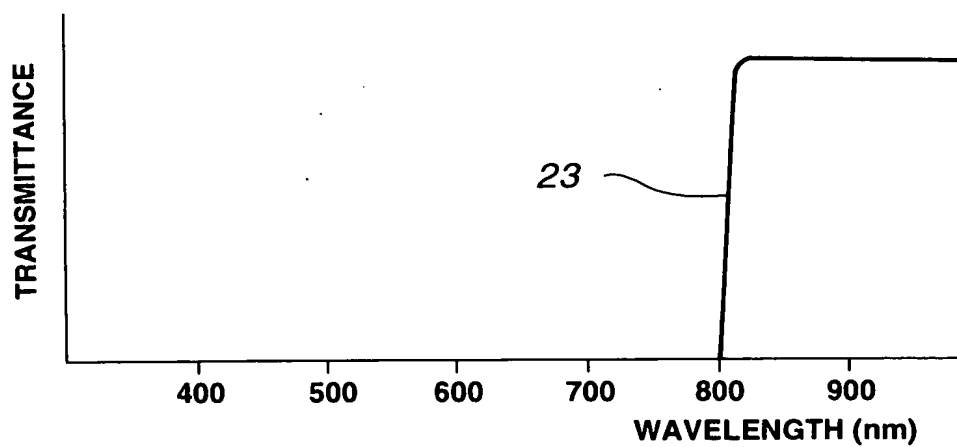


FIG.5

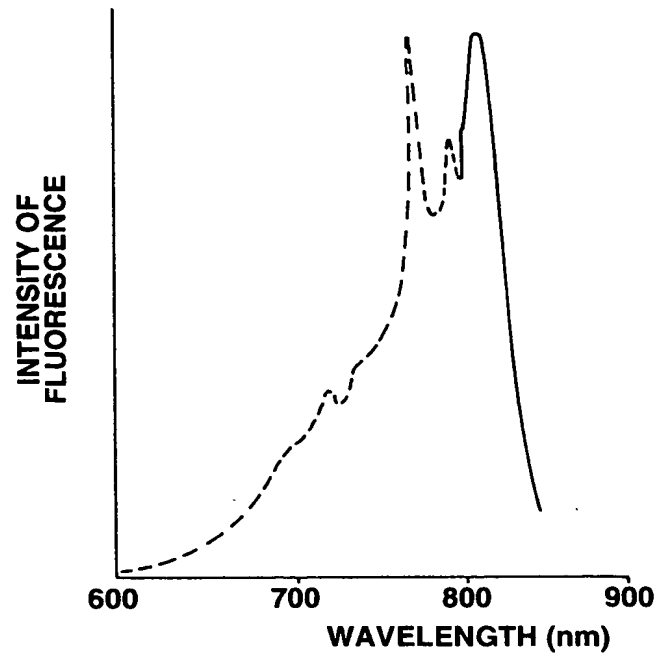


FIG.6

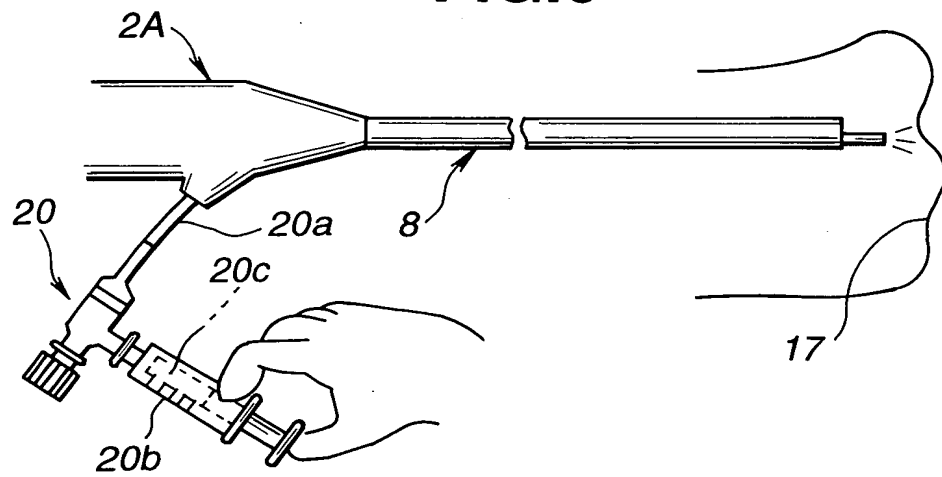


FIG.9

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R	G	R	G
B	IR	B	IR
R	G	R	G
B	IR	B	IR

FIG.7A

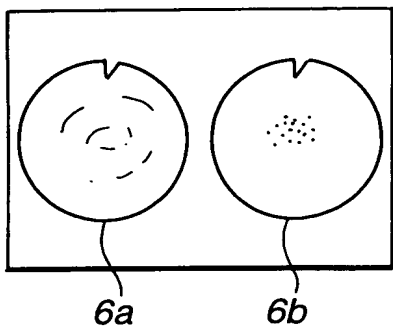


FIG.7B

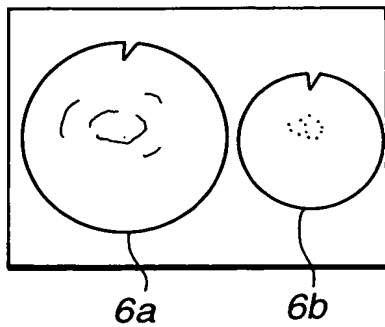


FIG.7C

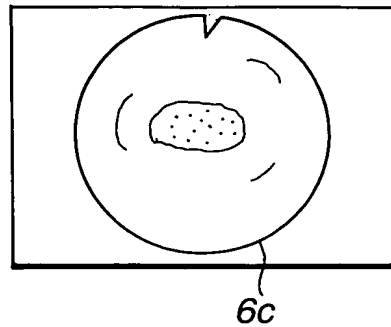


FIG.7D

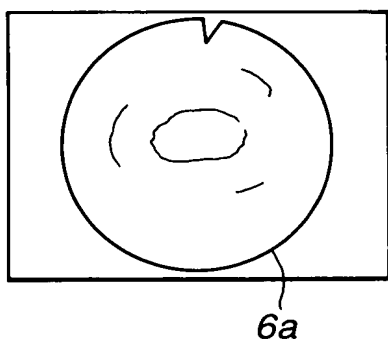


FIG.7E

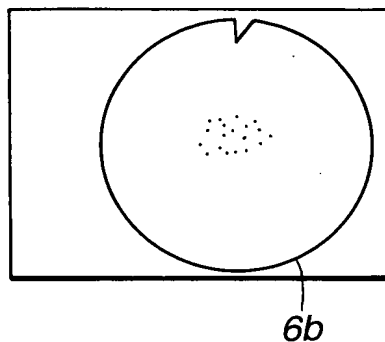


FIG.10

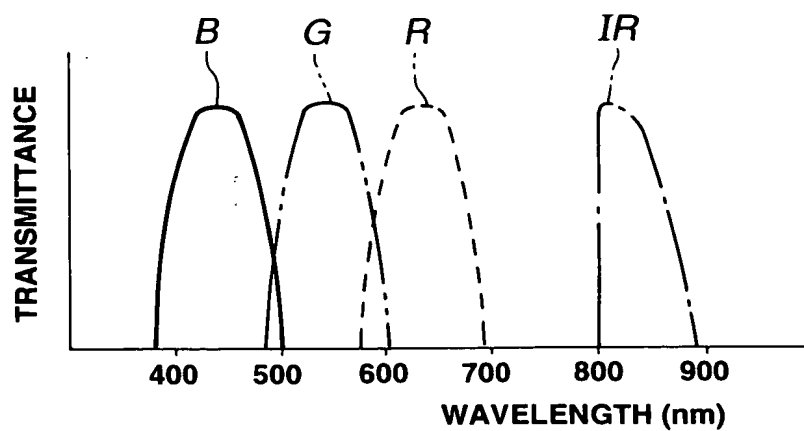


FIG. 8

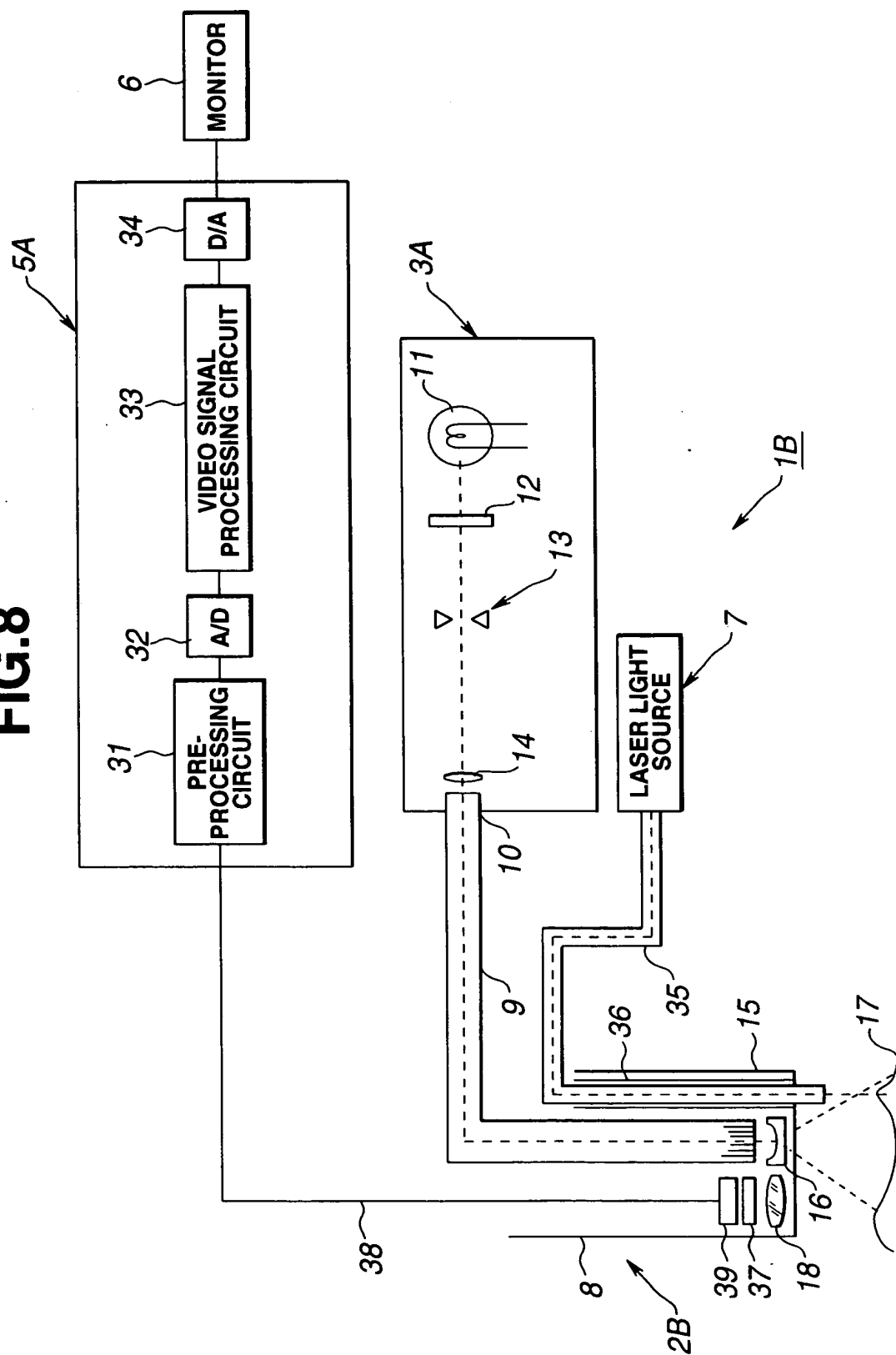


FIG. 11

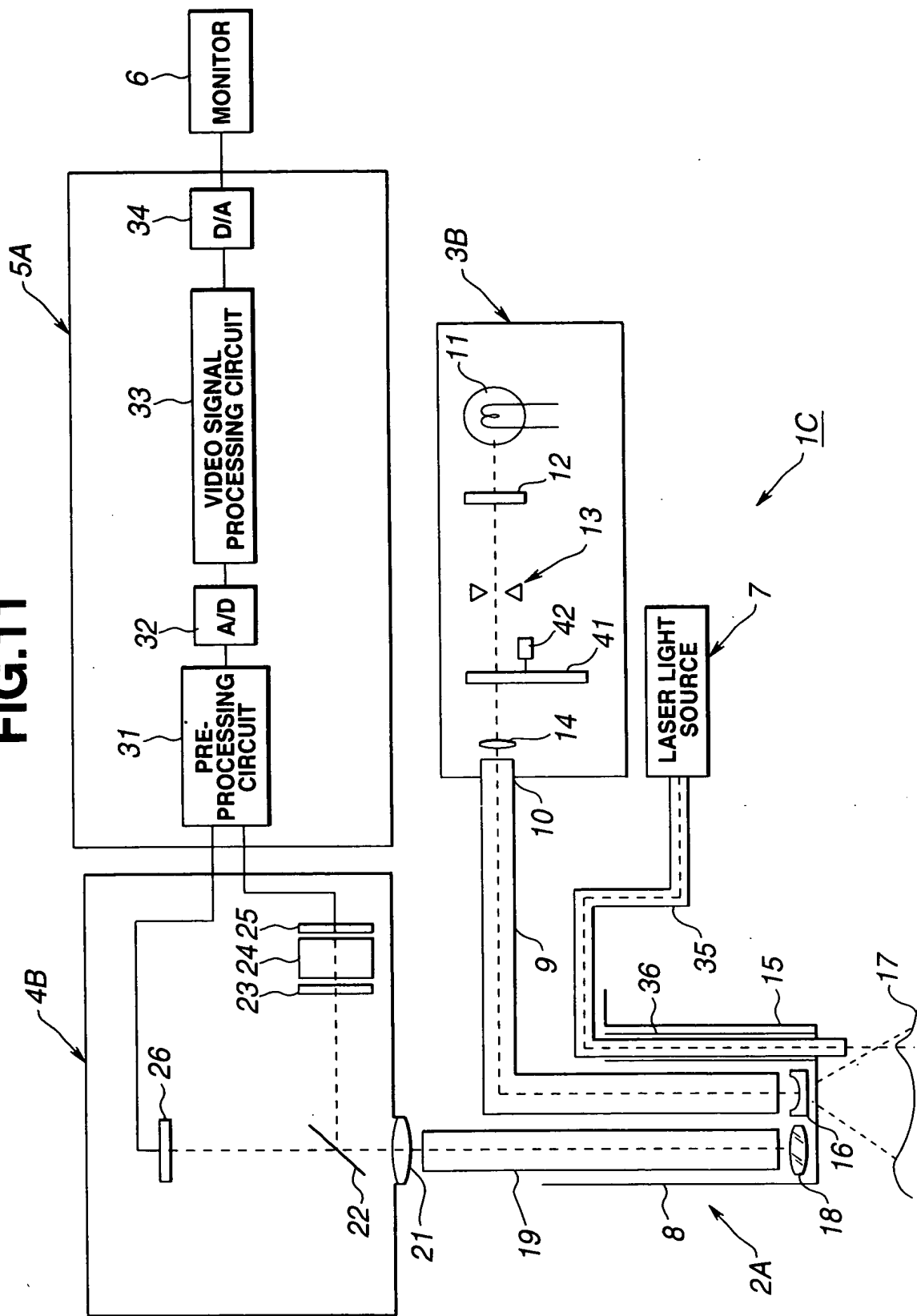


FIG.12

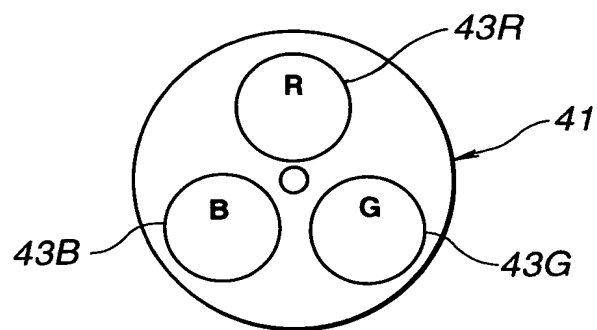


FIG.13

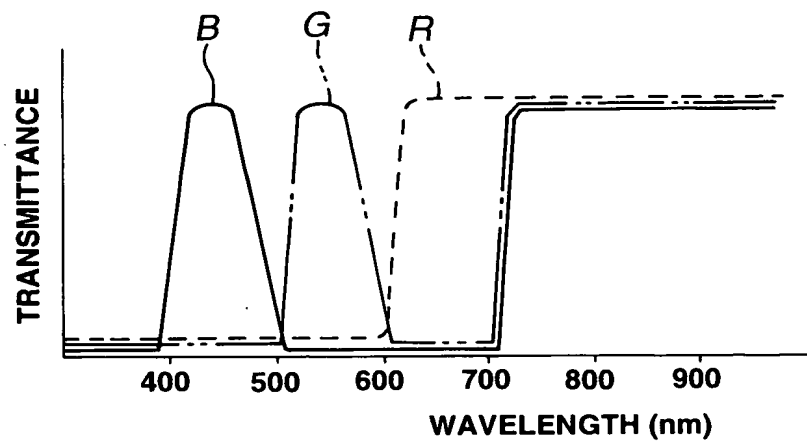


FIG. 14

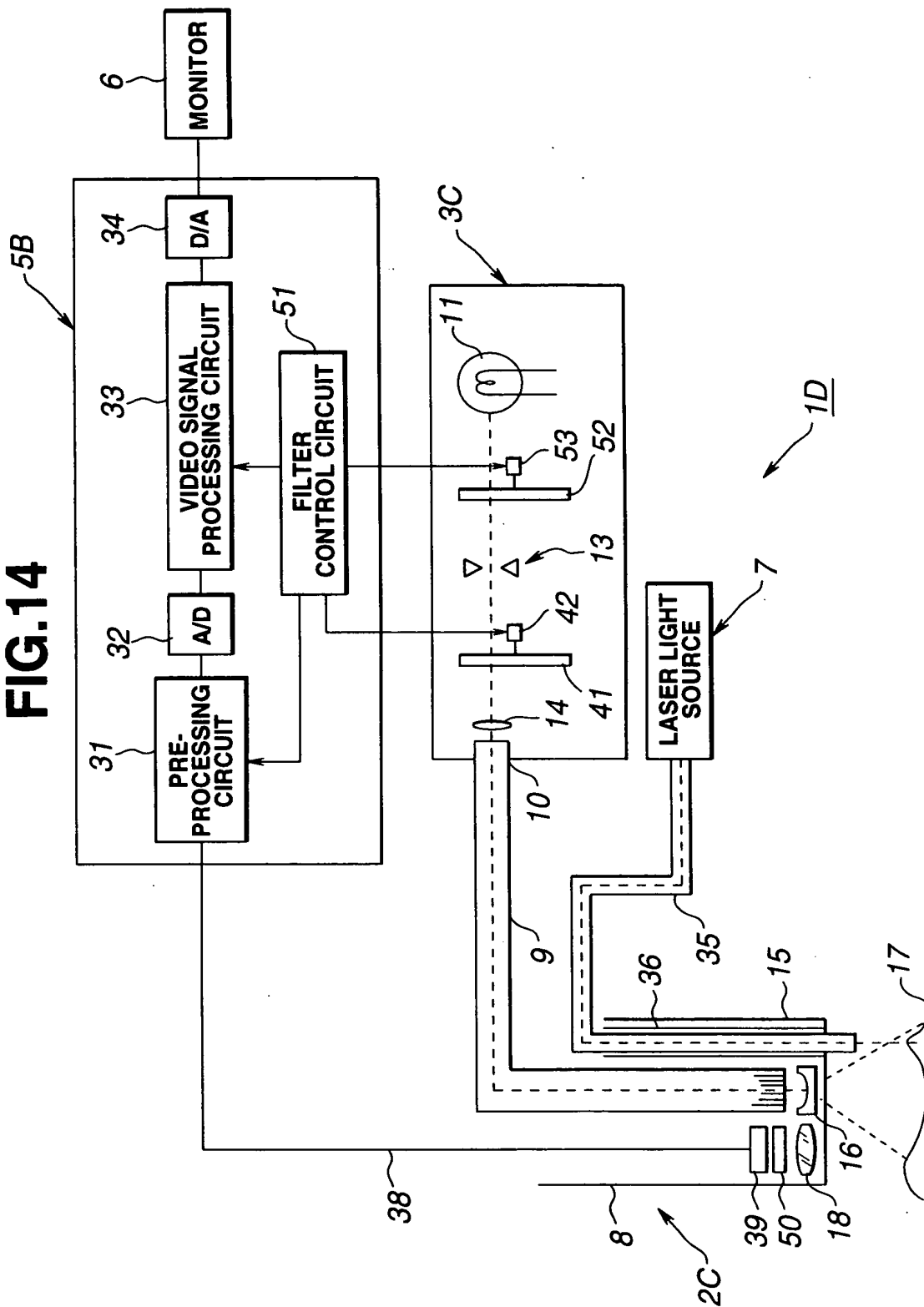


FIG.15

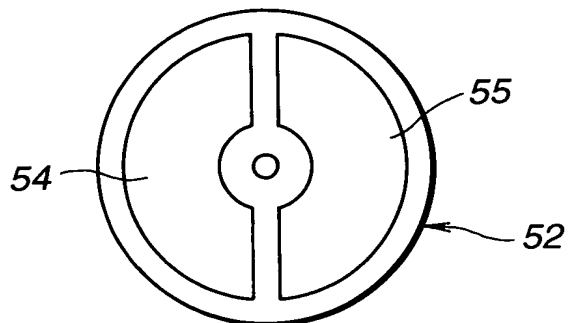


FIG.16

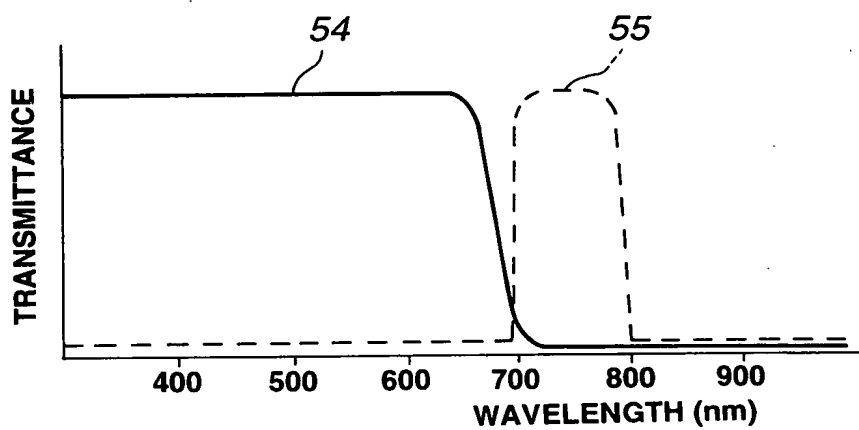


FIG.17

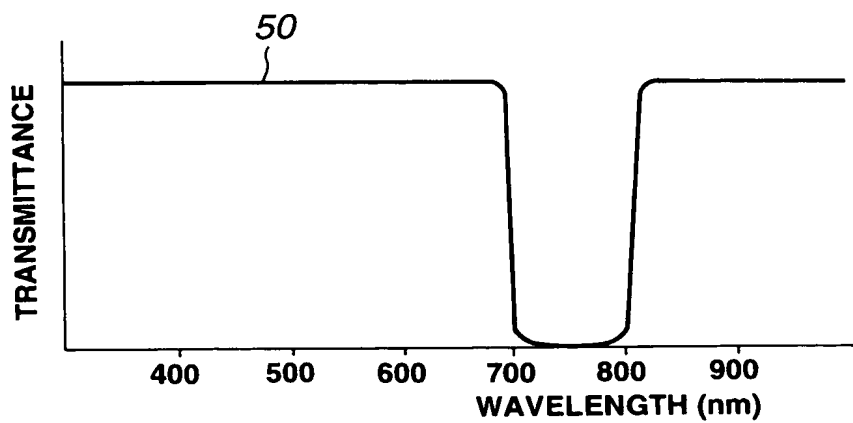


FIG. 21

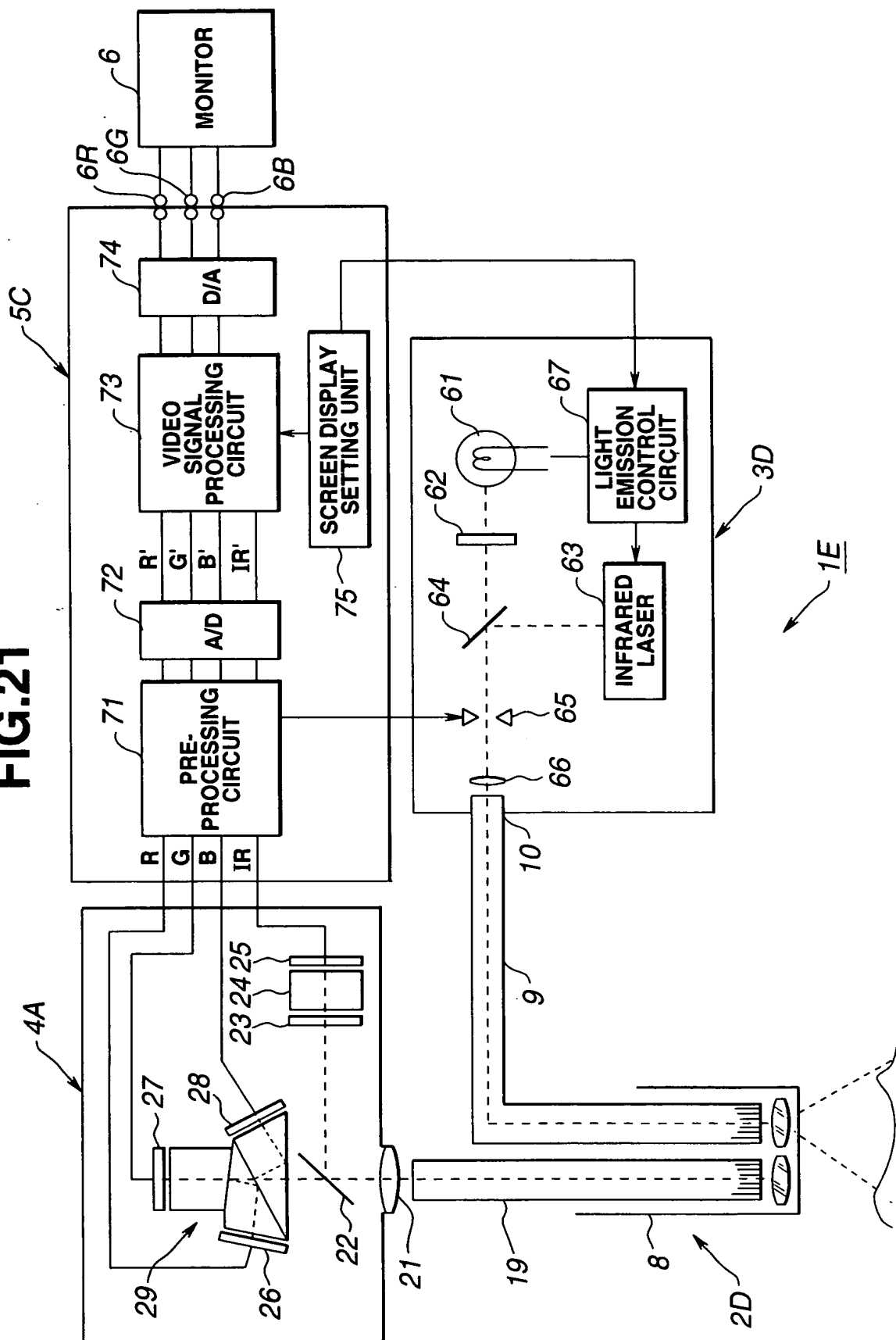


FIG.22

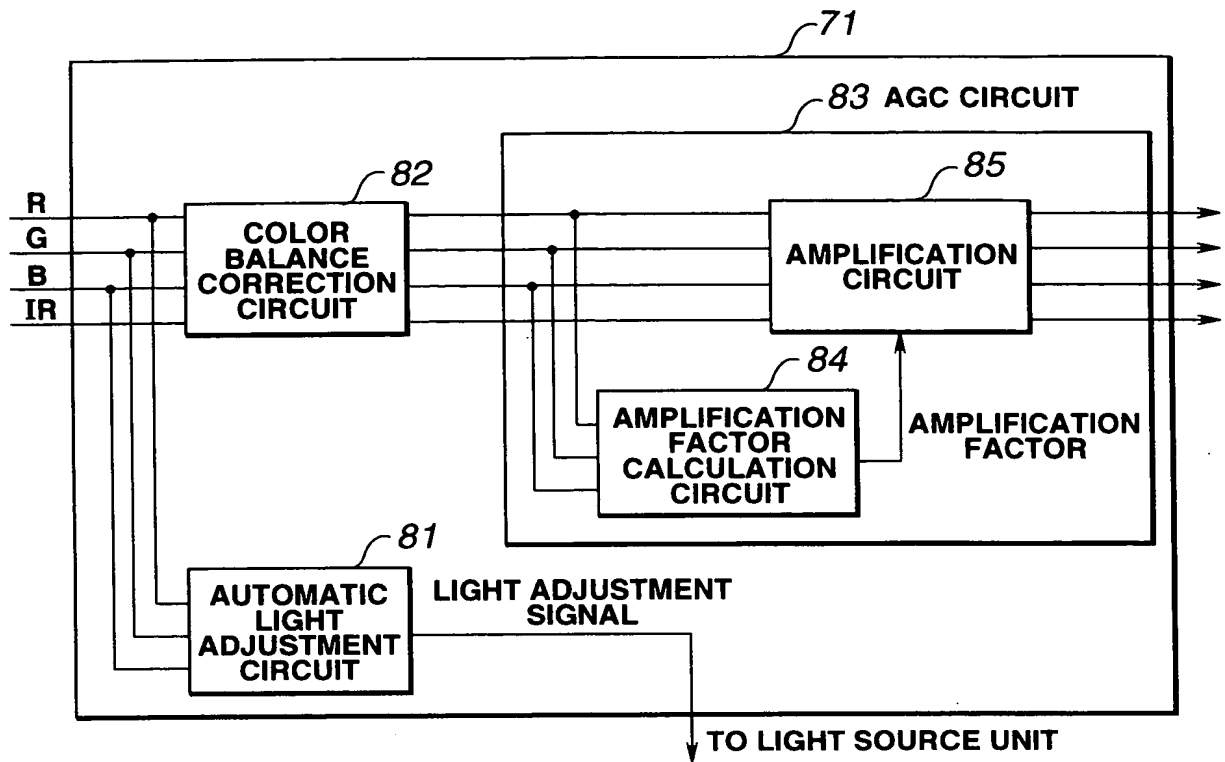


FIG.23

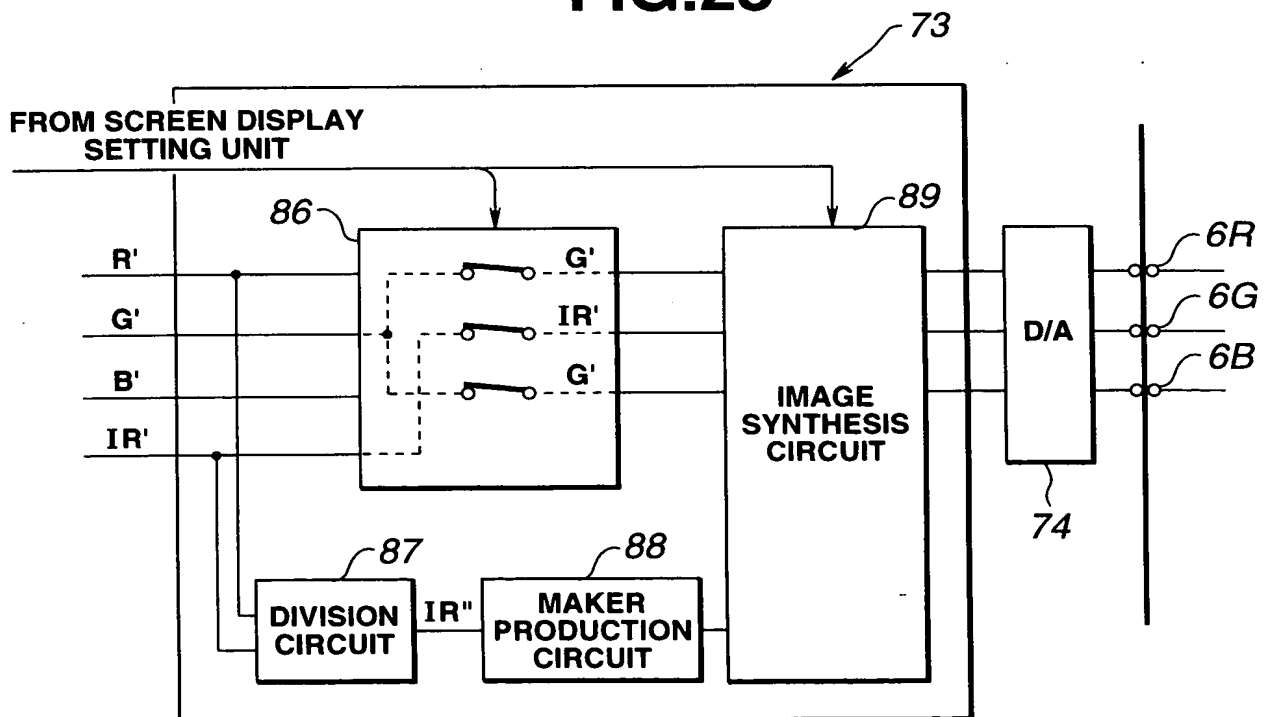


FIG.24

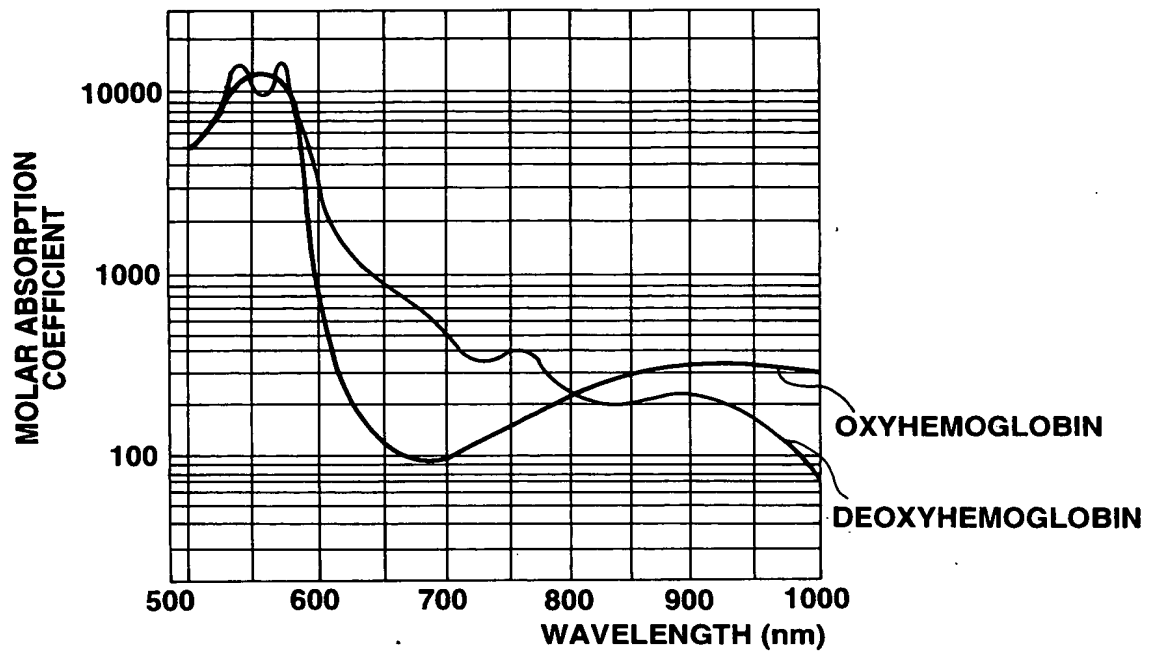


FIG.25

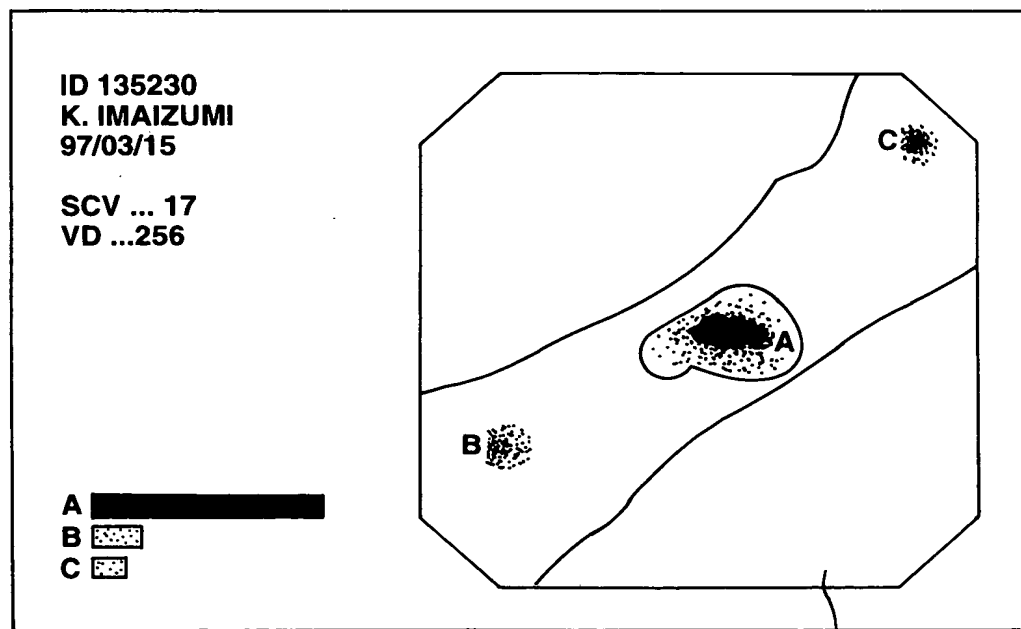


FIG.26

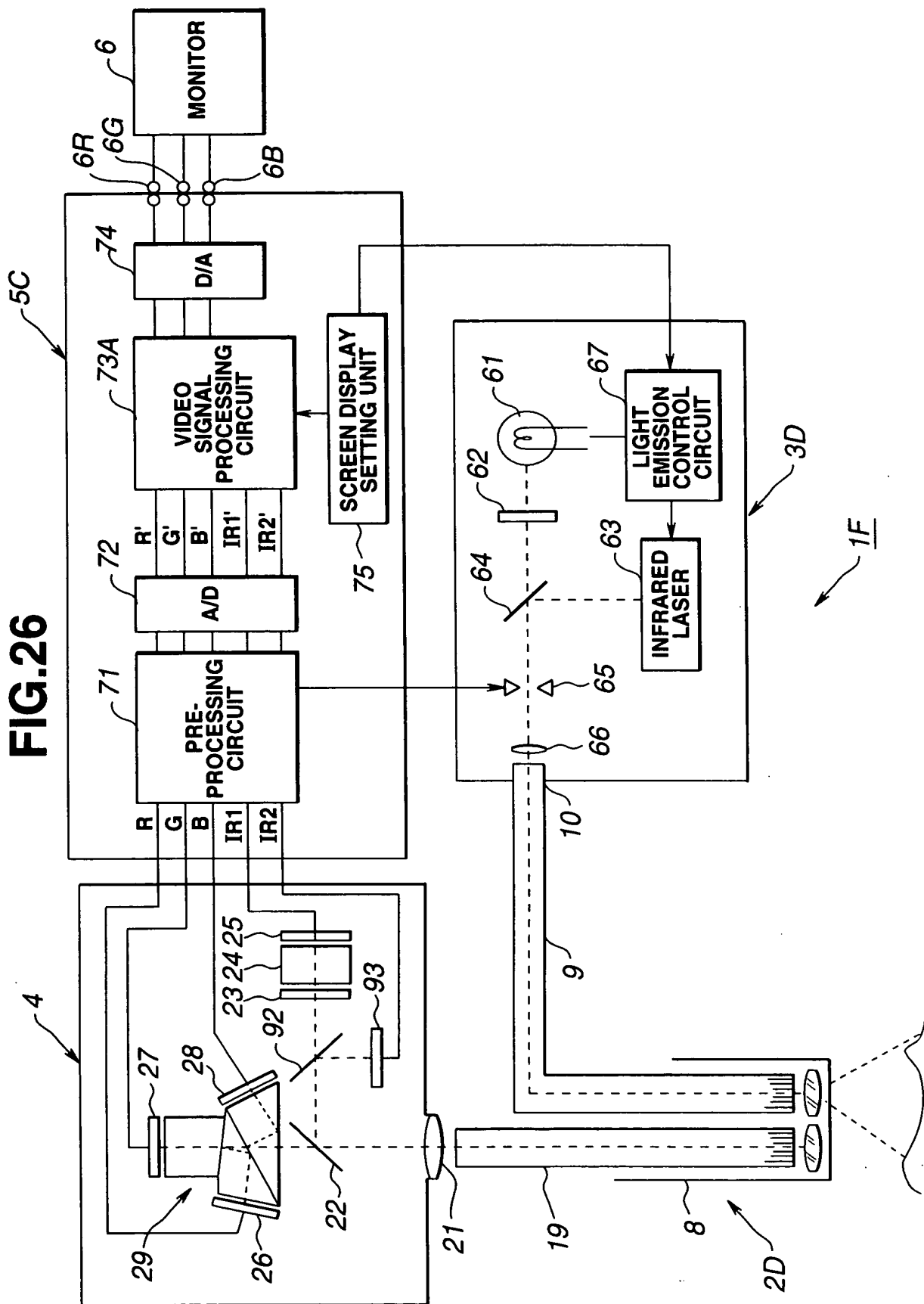


FIG.27

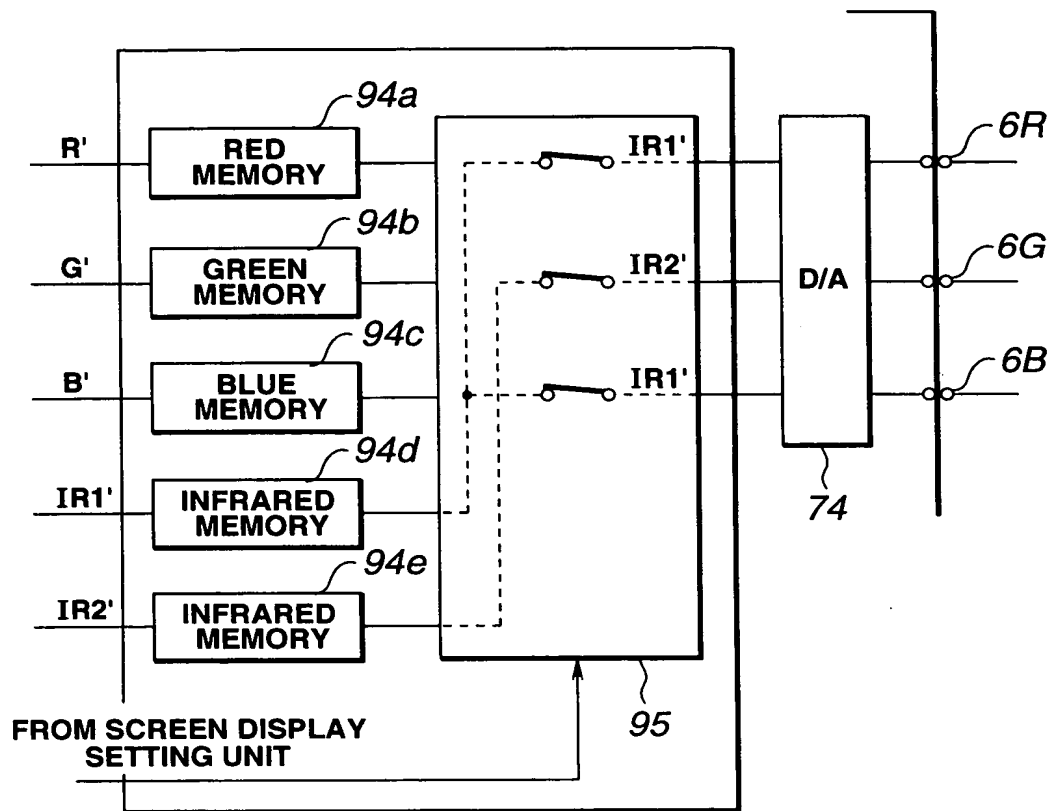


FIG.28

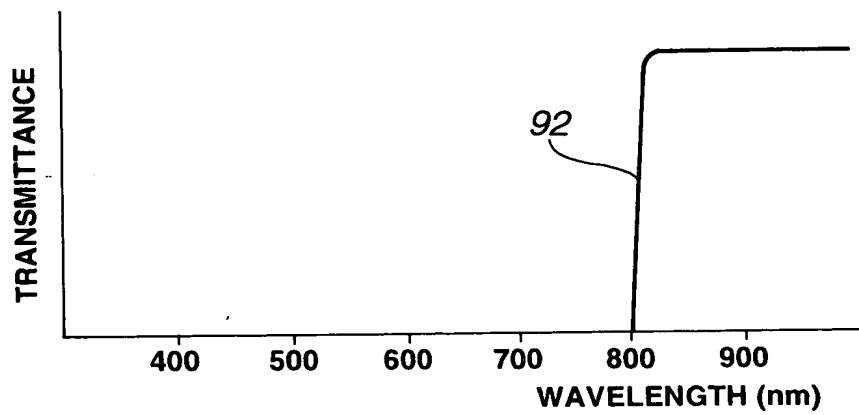


FIG.29

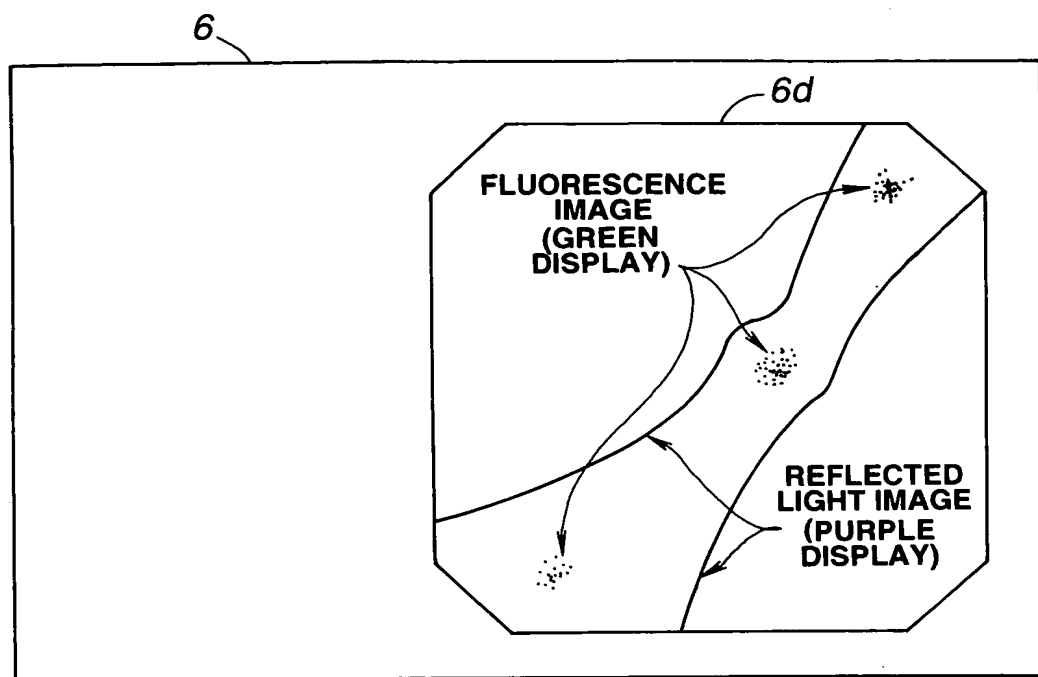


FIG.30

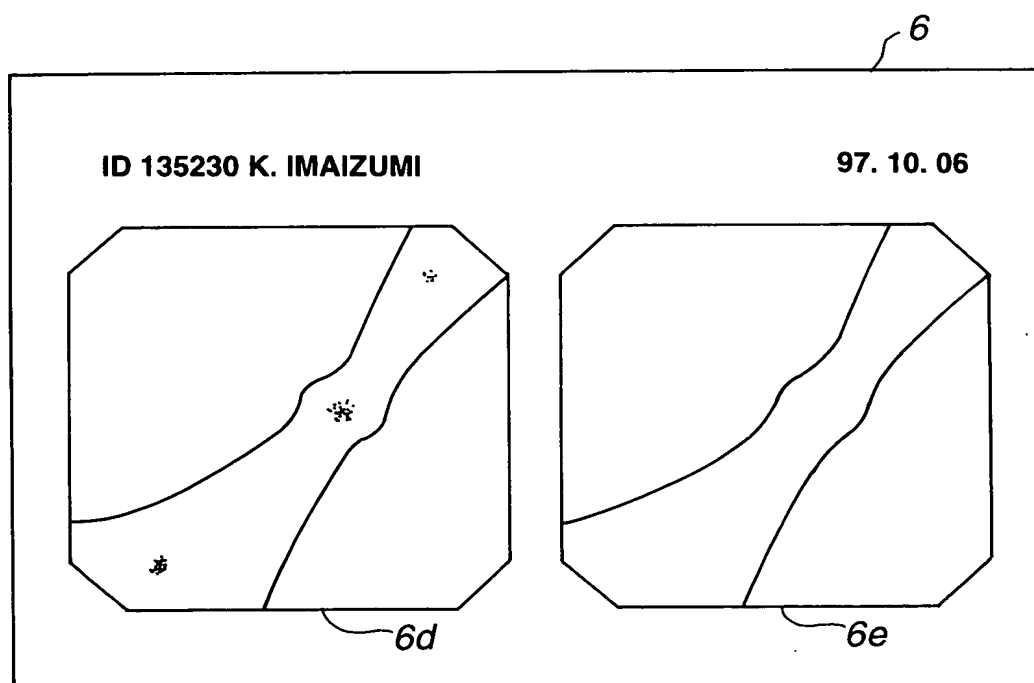


FIG.31

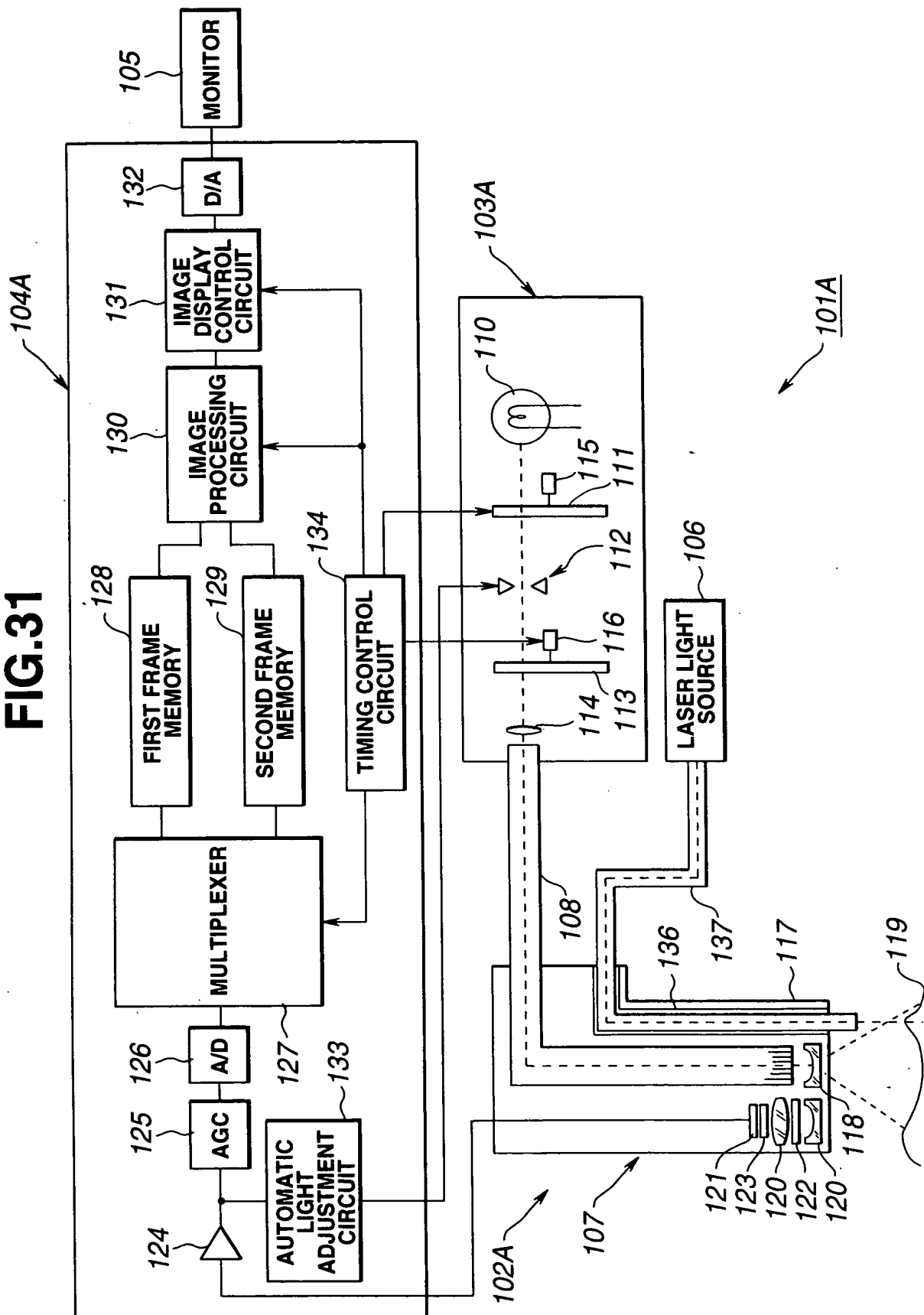


FIG.32

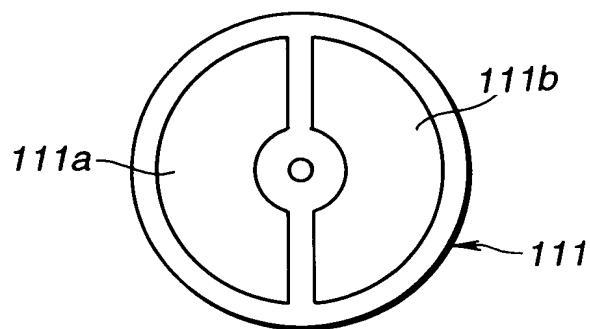


FIG.33

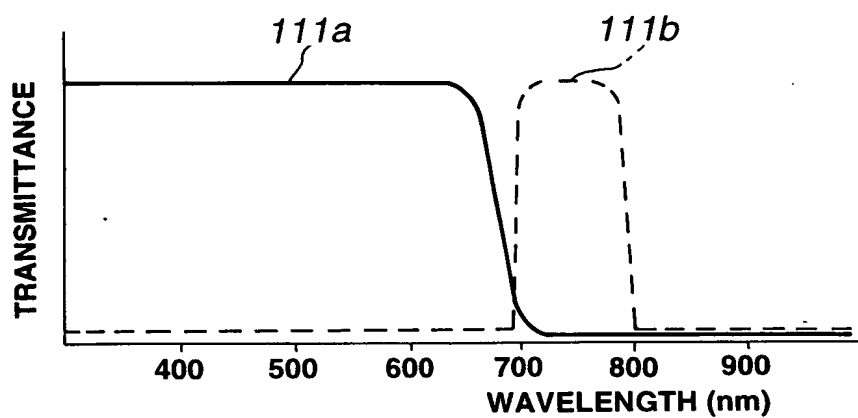


FIG.34

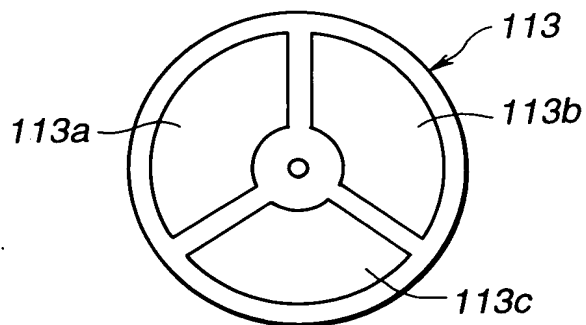


FIG.35

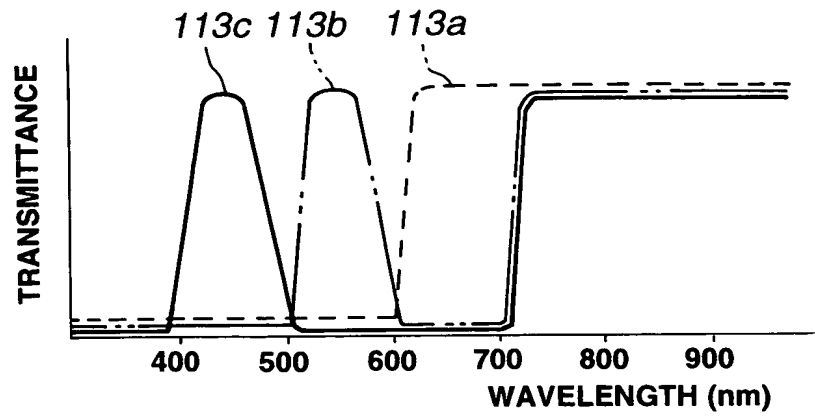


FIG.36

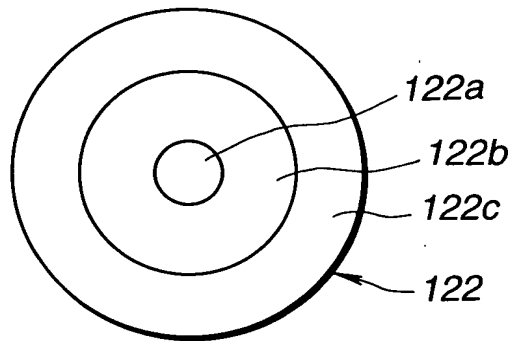


FIG.37

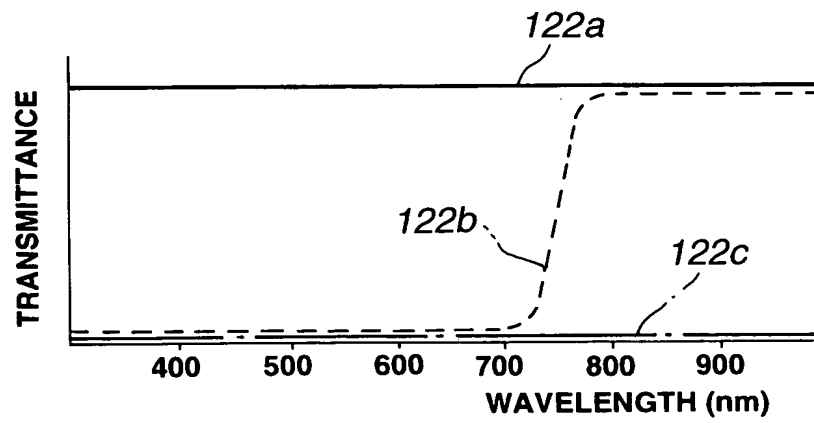


FIG.38

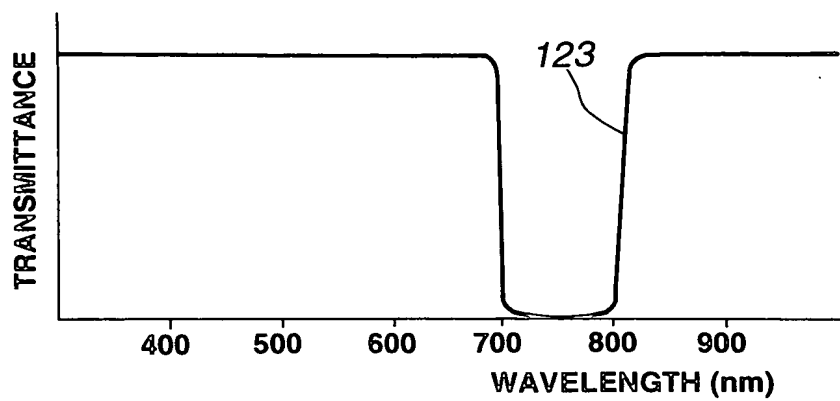


FIG.43

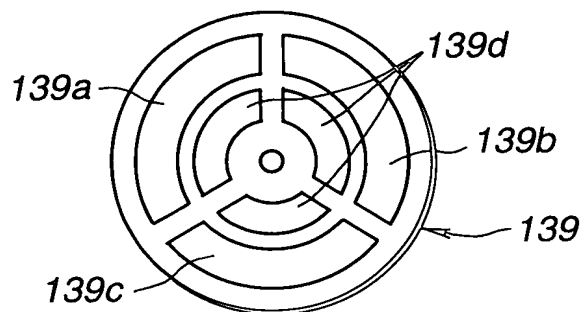


FIG.44

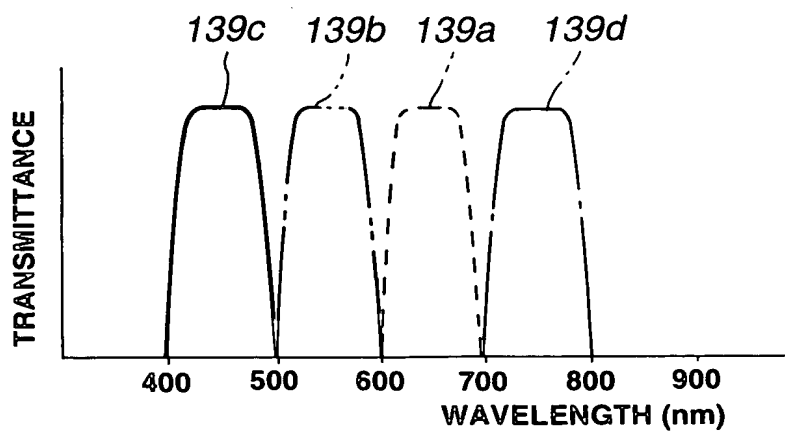


FIG.39

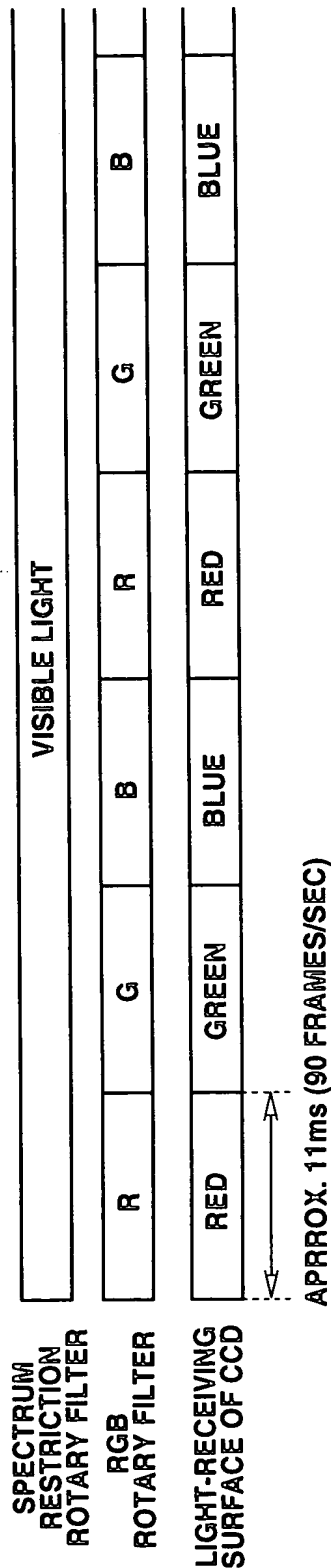


FIG.40

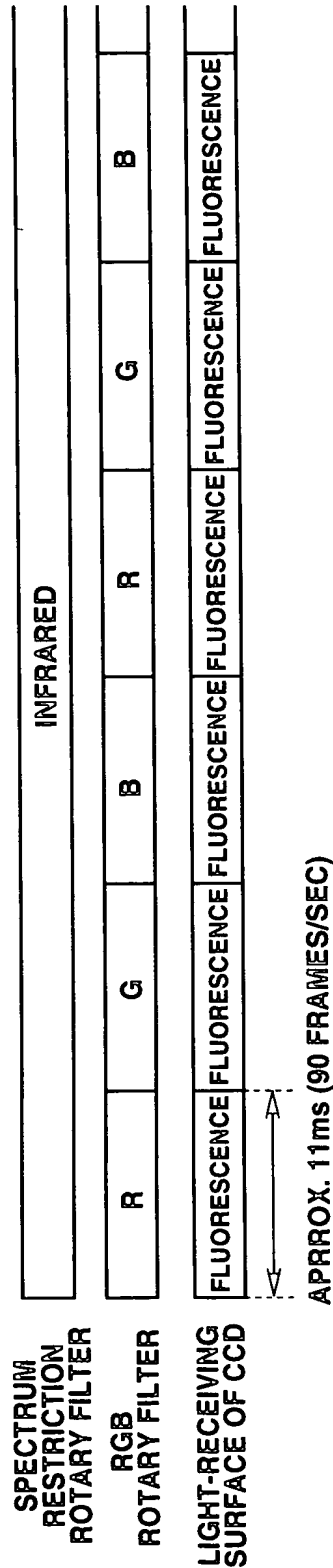


FIG.41

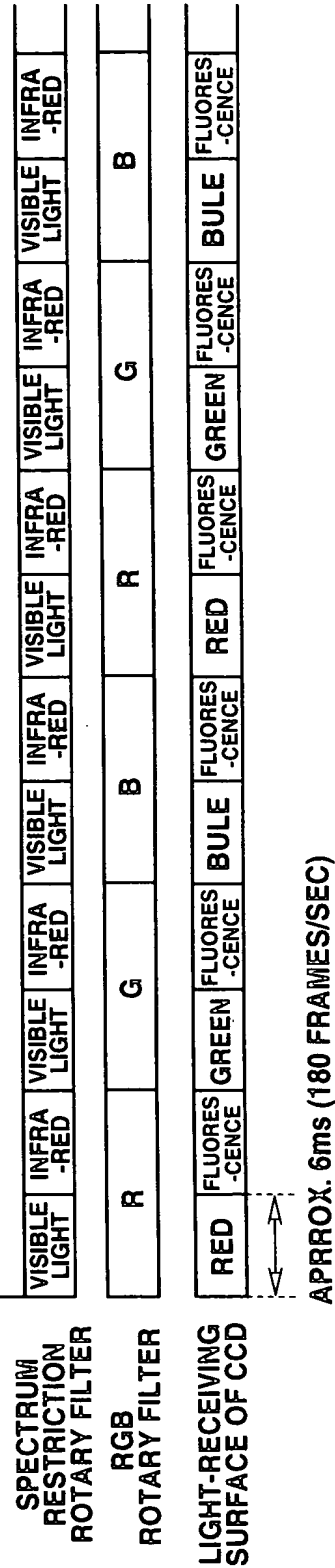


FIG.42

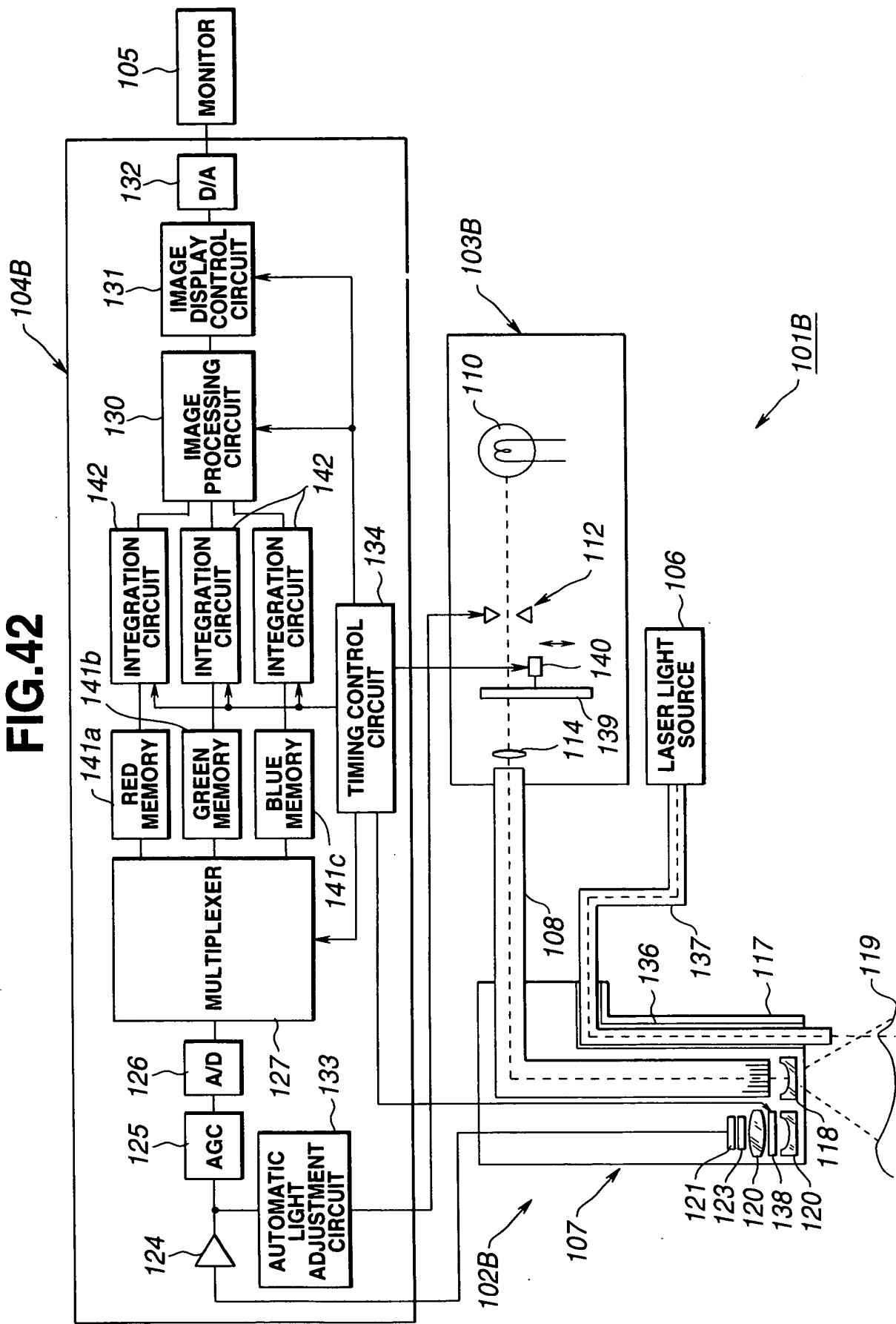


FIG.45

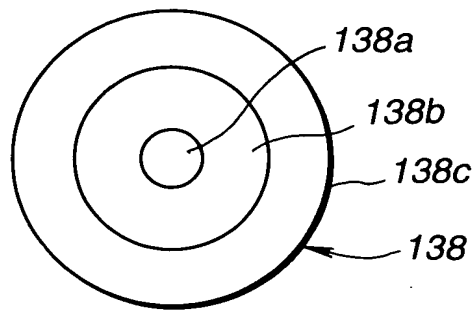


FIG.46

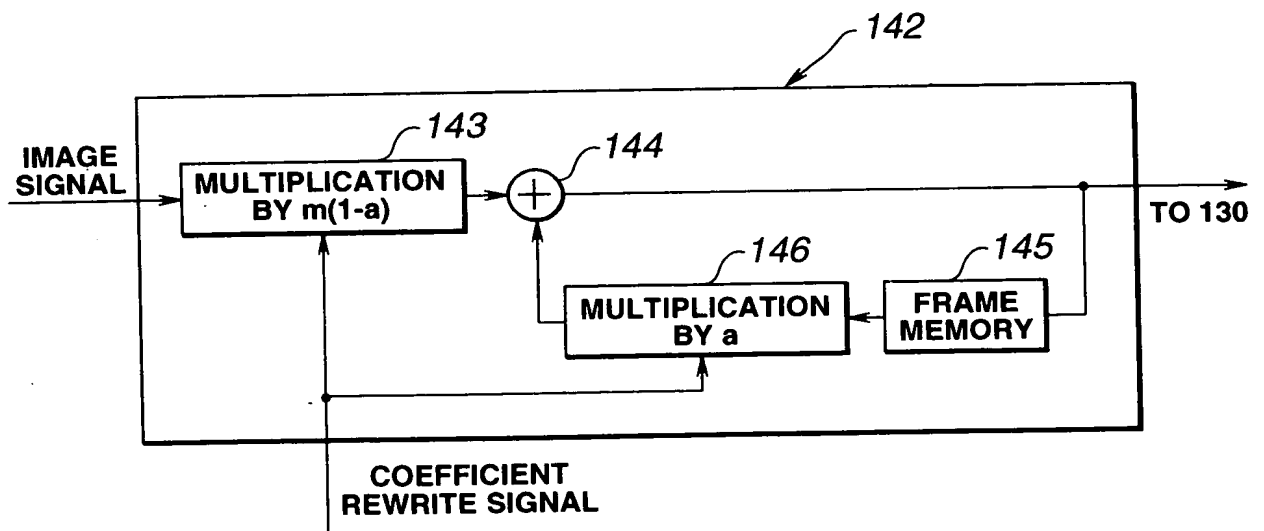


FIG.47

LIQUID-CRYSTAL DIAPHRAGM	SMALL			LARGE						
COEFFICIENT a	0.1			0.5						
COEFFICIENT m	1			2						
SPECTRUM RESTRICTION ROTARY FILTER	R	G	B	R	G	B	IR	IR	IR	IR
LIGHT-RECEIVING SURFACE OF CCD	RED	GREEN	BULE	RED	GREEN	BULE	FLUORESCENCE	FLUORESCENCE	FLUORESCENCE	FLUORESCENCE
	APPROX. 11ms (90 FRAMES/SEC)			APPROX. 33ms (30 FRAMES/SEC)						

FIG. 48

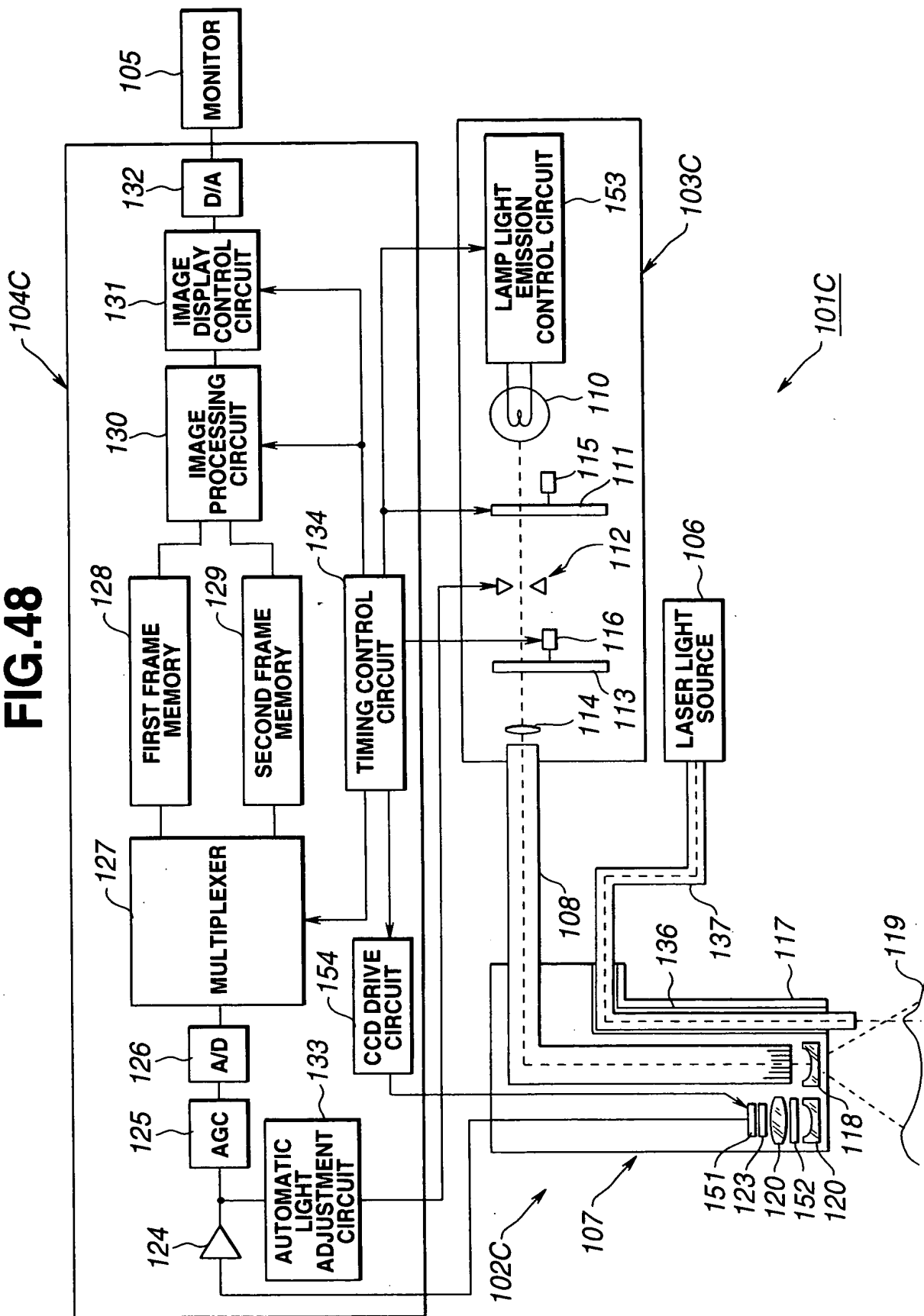


FIG.49

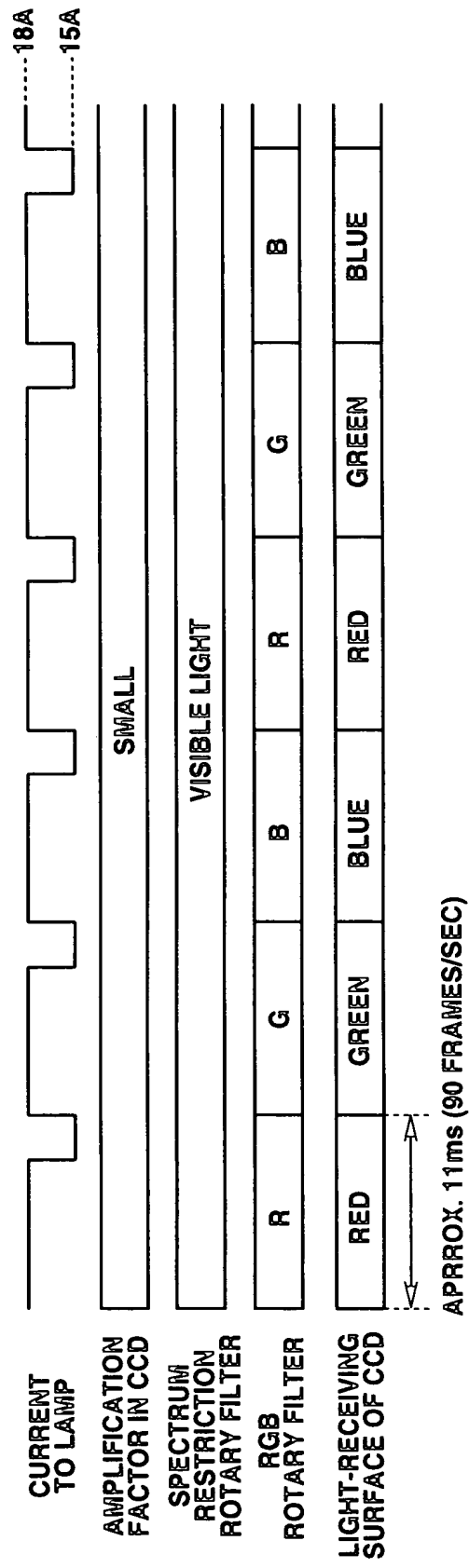


FIG.50

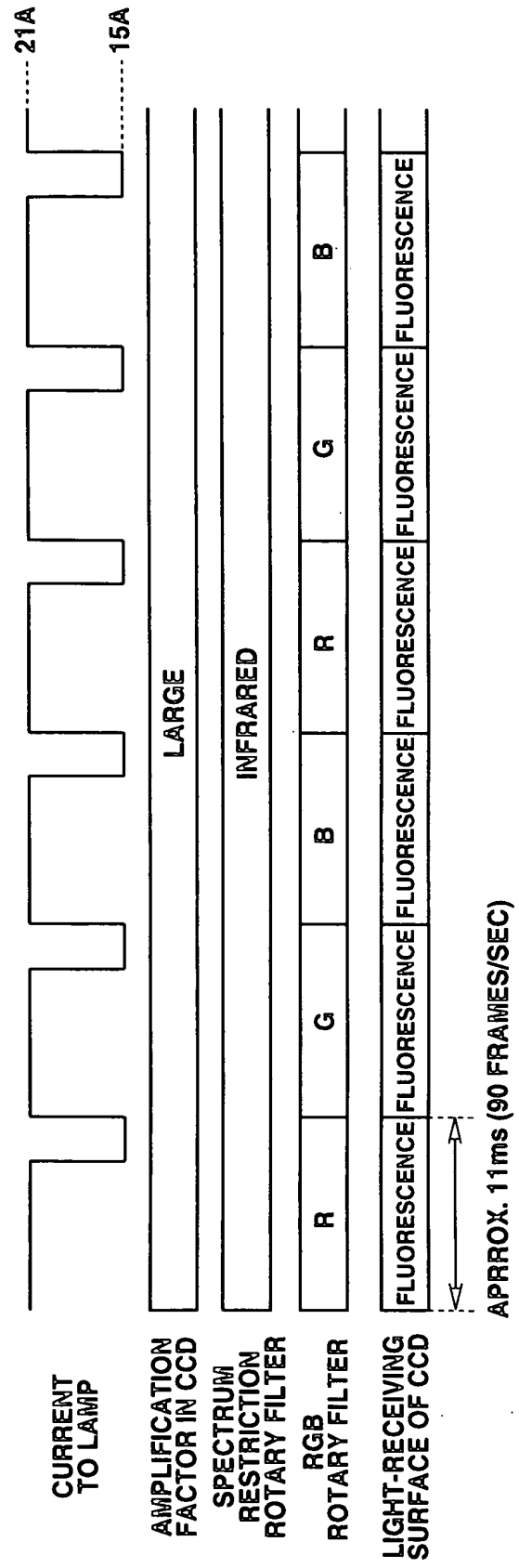


FIG. 51

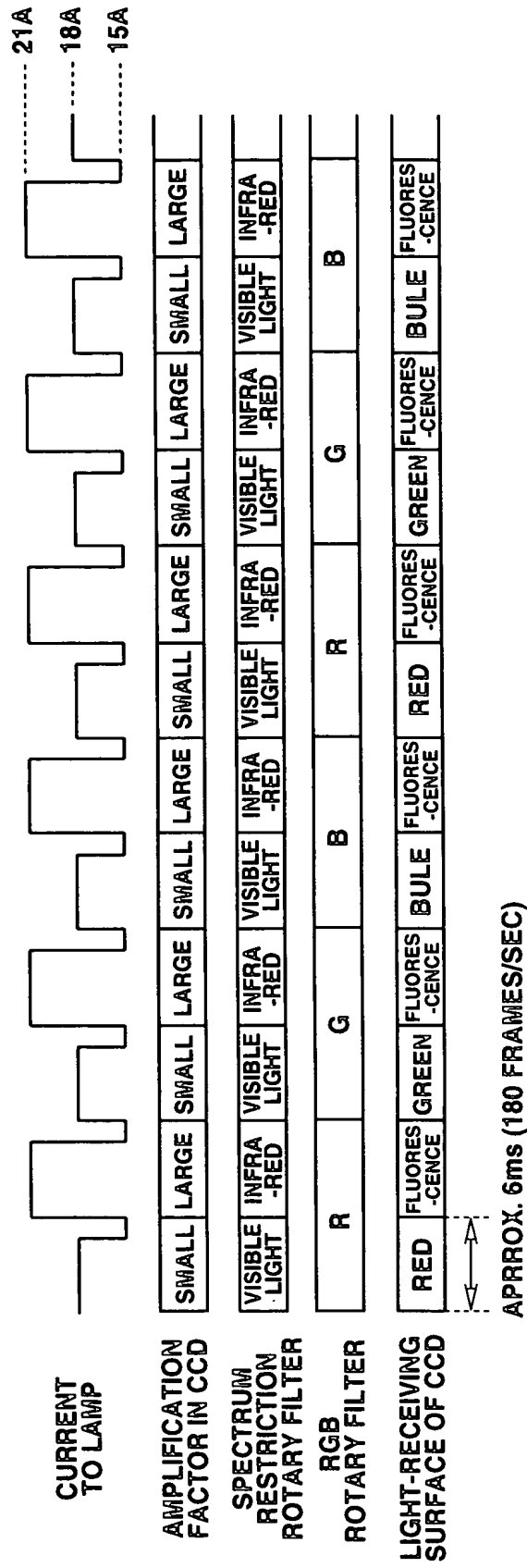


FIG. 52

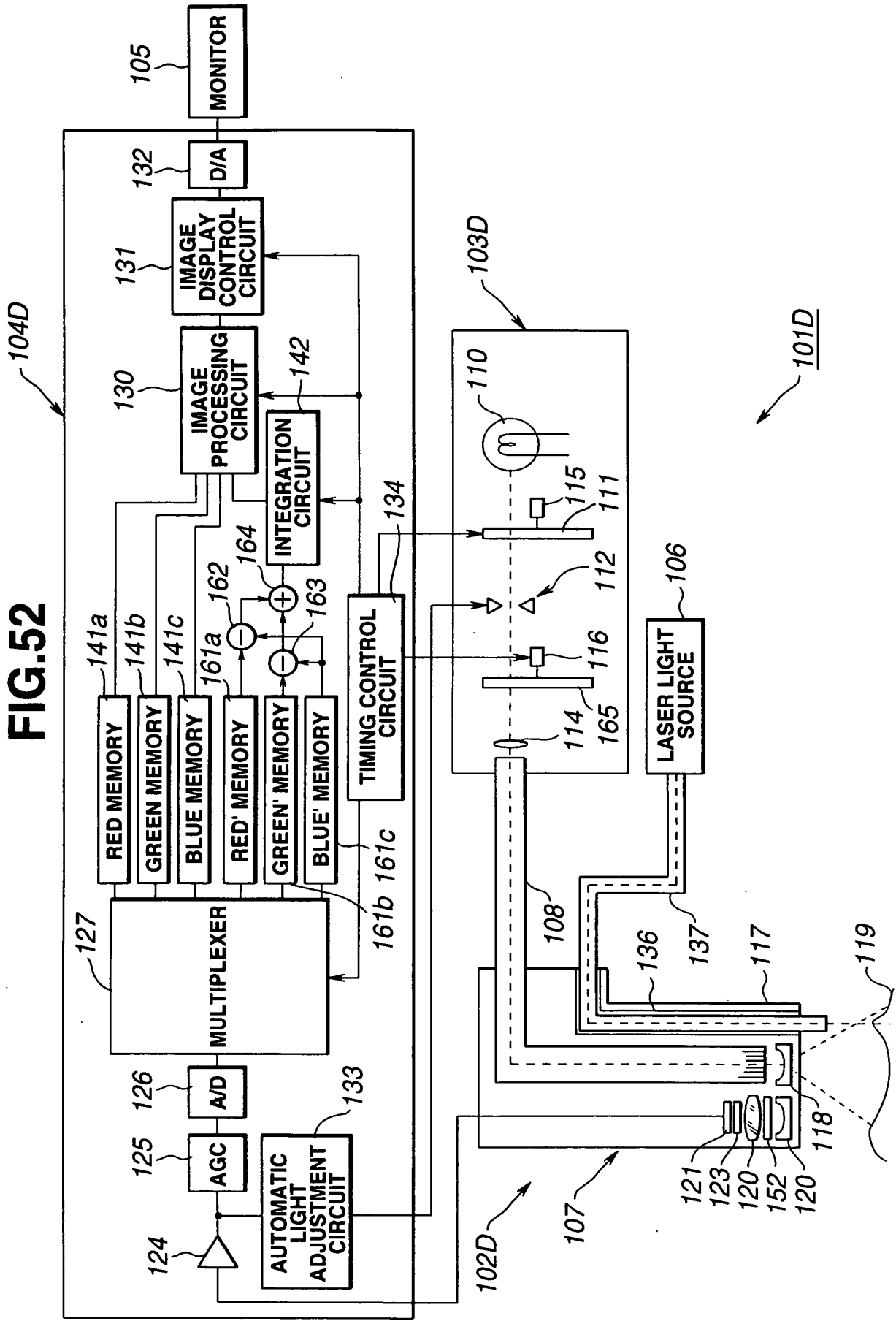


FIG.53

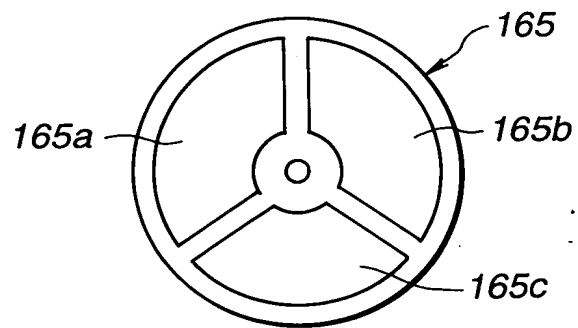


FIG.54

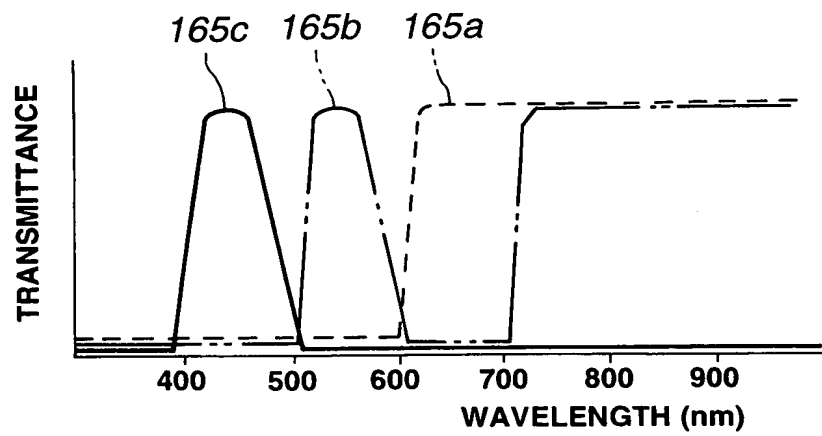


FIG.55

SPECTRUM RESTRICTION ROTARY FILTER	VISIBLE LIGHT									
	R	G	B	R	G	B				
RGB ROTARY FILTER										
LIGHT-RECEIVING SURFACE OF CCD	RED	GREEN	BLUE	RED	GREEN	BLUE				

APPROX. 11ms (90 FRAMES/SEC)

FIG.56

SPECTRUM RESTRICTION ROTARY FILTER	INFRARED									
	R	G	B	R	G	B				
RGB ROTARY FILTER										
LIGHT-RECEIVING SURFACE OF CCD	FLUORESCENCE	FLUORESCENCE	NOISE	FLUORESCENCE	FLUORESCENCE	NOISE				

APPROX. 11ms (90 FRAMES/SEC)

FIG.57

SPECTRUM RESTRICTION ROTARY FILTER	VISIBLE LIGHT	INFRA -RED	VISIBLE LIGHT	INFRA -RED	VISIBLE LIGHT	INFRA -RED	VISIBLE LIGHT	INFRA -RED	VISIBLE LIGHT	INFRA -RED
RGB ROTARY FILTER	R	G	B	R	G	B				
LIGHT-RECEIVING SURFACE OF CCD	RED	FLUORES -CENCE	GREEN	FLUORES -CENCE	BLUE	NOISE	RED	FLUORES -CENCE	GREEN	FLUORES -CENCE

APPROX. 6ms (180 FRAMES/SEC)

FIG.58

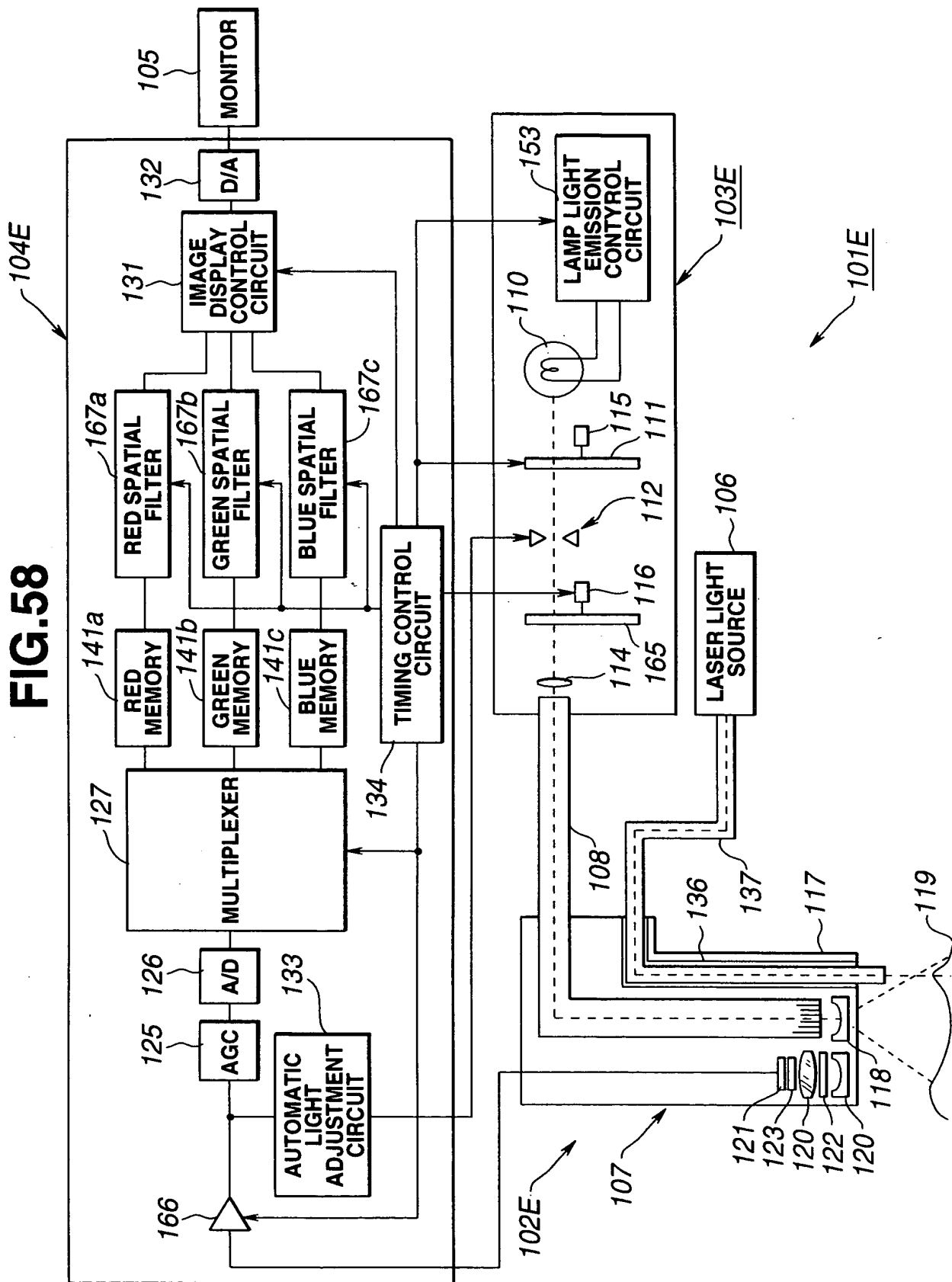


FIG.59

1/35	1/35	1/35	1/35	1/35
1/35	2/35	2/35	2/35	1/35
1/35	2/35	2/35	2/35	1/35
1/35	2/35	2/35	2/35	1/35
1/35	1/35	1/35	1/35	1/35

FIG.60

0	1	1	1	0
1	-2	-10	-2	1
1	-10	37	-10	1
1	-2	-10	-2	1
0	1	1	1	0